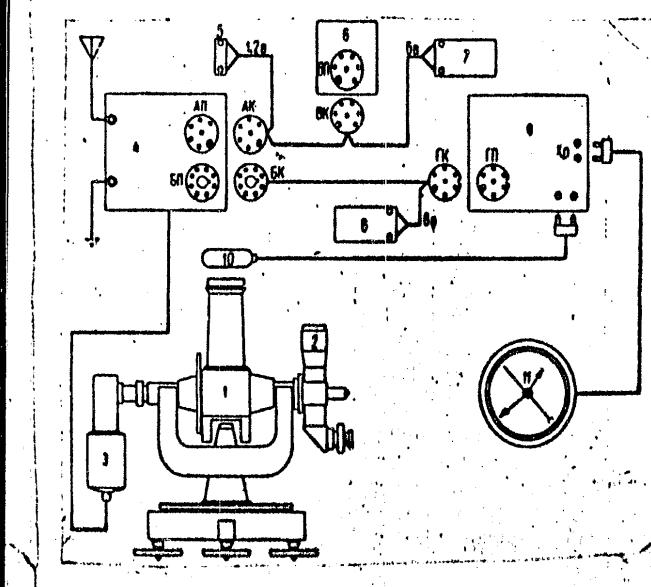


ACCESSION NR: AP3012411

ENCLOSURE: 01



Card 3/3

Fig. 1. Block-schematic of PFU-1 with universal instrument AU 2/10.

- 1- universal instrument;
- 2- selector tube; 3- photoelectric adaptor; 4- radio receiver-amplifier; 5- accumulator 1NKN60; 6- transformer;
- 7,8- accumulator 5NKN60;
- 9- ondulator; 10- neon lamp; 11- contact chronometer.

ACCESSION NR: AP3012411

component is described in detail, and the subsequent addition (1960) of a photo-electric micrometer to determine the azimuth angle in addition to latitude and longitude is mentioned. The kinematic diagram of this micrometer is given and its operating characteristics described. The micrometer was added to AU 2/10 No. 3203 and tested in 1960, followed by another successful test on AU 2/10 No. 10062 in 1961. A set of experiments was performed on a flashlight placed 15 km distant. The mean error of the micrometer was determined to be less than $\pm 0''.70$. Orig. art. has: 9 figures, 3 formulas, and 1 table.

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: AA

NO REF Sov: 000

OTHER: 000

ACCESSION NR: AP3012411

S/0006/63/000/010/0017/0025

AUTHOR: Belyayev, N. A.

TITLE: Field photoelectric apparatus for astronomic determinations

SOURCE: Geodeziya i kartografiya, no. 10, 1963, 17-25

TOPIC TAGS: field geodetic instrument, longitude determination, latitude determination, azimuth determination, astronomic position determination, geodetic control determination, photoelectric geodetic instrument, photoelectric astronomic instrument, radio time signal, USSR Time Service

ABSTRACT: The details of a field photoelectric apparatus PFU-1 designed and built in 1957 to determine longitude and latitude points of class 1 triangulation for stars on a universal AU 2/10 instrument are presented. The local stellar time and latitude are determined by observing a pair of stars on corresponding altitudes. The components of the apparatus are: a radio receiver-amplifier, single-stylus condenser, block electric source, universal instrument AU 2/10, and a contact chronometer (see Fig. 1 on the Enclosure). The instrument operates on a bantam tube, uses 15 volts, and is fed by two seven-volt 5NKN60 accumulators. Each

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

BELYAYEV, N.A.

Electric drive for azimuthal rotation of a universal theodolite.
Geod. i kart. no.9:30-34 S '63. (MIRA 16:10)

Electron copying device

S/077/61/006/005/003/004
D051/D113

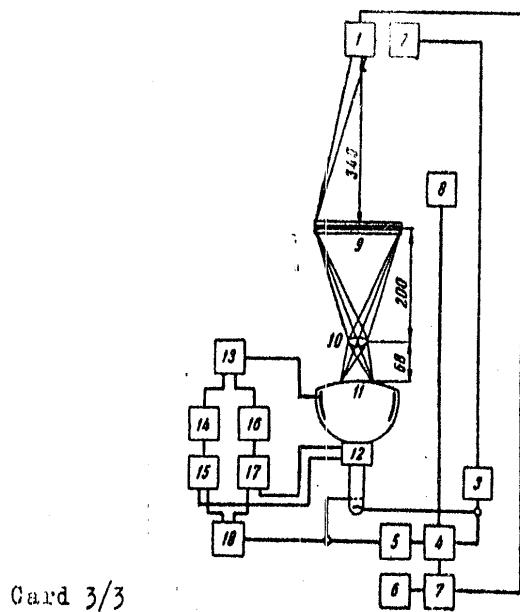


Fig. 1. Block-diagram of the electron copying device. 1 - photo-multiplier; 2 - cathode follower; 3 - video amplifier; 4 - integrating scaler; 5 - balanced relay contact switch; 6 - converter for photomultiplier power supply; 7 - control board; 8 - contact unit of the printing table; 9 - printing table; 10 - projecting objective; 11 - kinescope; 12 - deflecting system; 13 - line generator and high-voltage rectifier; 14 - first sawtooth voltage generator; 15 - cascade for amplifying first scanning; 16 - second sawtooth voltage generator; 17 - cascade for amplifying second scanning; 18 - black-out installation for fly-back of kinescope beam

Electron copying device

S/077/61/006/005/003/004
D051/D113

only the Russian transliteration is available) which was developed by Dwin R. Craig and published in 1954. The Soviet device has a single-channel video amplifier for masking details and permits zigzag scanning at frequencies of 145 and 160 cycles. The device also permits 4 to 8 mm details to be eliminated. Mass photo printing in the laboratory showed the reliability of the device. It worked at circuit voltage fluctuations of -10% to + 5% from the established rating. On normal photographic paper the device guarantees the production of up to 60 prints from aerial negatives with a density step of not more than 1.8. The prints were of good quality and showed more details than prints obtained by the usual contact method. The author thanks V. Ya. Mikhaylov for his help. There are 4 figures.

ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut geodezii, aerosferyemki i kartografii (TsNIIGAiK) (Central Scientific Research Institute of Geodesy, Aerial Surveying and Cartography [TsNIIGAiK])

SUBMITTED: January 28, 1960

Card 2/3

S/077/61/006/005/003/004
D051/D113

AUTHOR: Belyayev, N.A.

TITLE: Electron copying device

PERIODICAL: Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, v. 6,
no. 5, 1961, 353-357

TEXT: The author reports on the design, adjustment, and testing of an electron copying device recently developed at the laboratory of aerial photography of his institute (TsNIIGAIK) and intended for photoprinting black-and-white aerial negatives on paper, films, and glass plates. The size of the picture area is 180 X 180 mm. The device is made of Soviet standard parts and radio fittings and consists of the following basic components: (1) a printing table with a control contact unit and a projecting objective, (2) a standard kinescope of the type 35JK 25 (35LK2B) for regulated illumination of the picture area of the printing table, (3) a light receiver, (4) a video amplifier, and (5) an installation for automatic exposure metering. A general block-diagram of the device is given in Fig. 1. It basically corresponds to the block-diagram of the US Logetron device (Abstracter's note: ↴

Card 1/3

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

BELYAYEV, N.A.

Electronic printer for printing aerial negatives. Trudy
TSNIIGAIK no.142:221-233 '61. (MIRA 15:8)
(Photography--Printing processes)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

BELYAYEV, N.A.

Device for automatically rising the lens of an aerial camera.
Trudy TSNIIIGAIK no.142:51-68 '61, (MIRA 15:8)
(Photography--Exposure) (Automatic control)

BELYAYEV, N. A.,

"A Photoelectric Device for Field Astronomical Measurements," The International Association of Geodesy; Abstracts of the Reports at the XI General Assembly of the International Union of Geodesy and Geophysics, Moscow, Izd-vo AN SSSR, 1957, 63 p. 1,500 copies printed.

The described photoelectric system designed to record the passage time of stars is attached to the AU 2/10 astronomical vertical instrument (Engineer's transit) and does not increase substantially the weight or bulk of a field party's equipment; it is easy to control and permits making longitudinal and latitudinal determinations at first order stations without introducing human errors into the observations. Accuracy achieved is greater than usual and observations can be reduced in number.

BELYAYEV, N.A.

Determining astrenemical refraction. Astron. zhur. 32 №.6:
555-562 N-D '55. (MLRA 9:2)

I.Tsentral'nyy nauchno-issledovatel'skiy institut geodesii,
aeros"yemki i kartografii.
(Refraction, Astronomical)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

BELYAYEV, N.A.

Refraction of extraterrestrial radio emission in the atmosphere.
Astron. zhur. 32 no. 4: 359-372 Jl-Ag'55. (MIRA 8:10)
(Radio astronomy)

AID P - 377

Astron. zhur., v. 31, 3, 267-280, My-Je 1954

Card 2/2 Pub. 8 - 7/12

Institution : The Central Scientific and Research Institute of Geodesy,
Aerial Survey and Cartography

Submitted : June 6, 1953

X

BELYAYEV N.A.

AID P - 377

Subject : USSR/Astronomy

Card 1/2 Pub. 8 - 7/12

Author : Belyayev, N. A.

Title : Synoptic Refraction Anomalies in the Region of the
Anticyclone in the Middle Part of the European Territory
of the USSR

Periodical : Astron. zhur., v. 31, 3, 267-280, My-Je 1954

Abstract : Principles of the analysis of synoptic refraction anomalies
are given in connection with synoptic processes in the tro-
posphere. The method and results of computation of the
integral slope of air layers of equal density are given
from aerological data. The results of the calculation of
synoptic refraction anomalies, which may take place when
determining the latitude, watch error and azimuth, are
given in formulae. 6 tables, a graph and 37 formulae
illustrate the text which is mainly mathematical. Three
references (after 1946), of which two are Russian.

BELYAYEV, N.A.

"Problem of the Astronomic Determination of Geodetic Azimuth by the Direct Method"
Cent. Sci. Res. Inst. of Geod., Aer. Survey and Cartog.

Astr. Zhur, vol. 30,no. 2, pp. 196-209, March/April 1953

Presents practical formulas and example of treatment of a pair of stars for determining
of geodetic azimuth of triangulation sides with the same accuracy over the whole
geodetic network without knowledge of the accurate astronomical coordinates.

Received 5 Feb 52

251T8

BELYAYEV, N. A.

37167. Sinopticheskaya popravka astronomiceskoy refraktsii. Astron. Zhurnal, 1949, Vyp. 6, s. 363-72. --- Bibliogr: 11 Nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol 7, 1949

MAKOVER, S.G.; BELYAYEV, N.A.

Program for numerical integration of equations of the motion of minor
planets and for the comparison with observations. Biul. Inst. teor. astron.
9 no.8:542-549 '64. (MIRA 17:12)

BELYAYEV, N., inzhener-polkovnik; ALYAB'YEV, N., mayor tekhnicheskoy sluzhby
Electrically equipped vehicle training course. Tyl i snab.Sov.Voor.
Skl 21 no.1:70-75 Ja '61. (MIRA 14:6)
(Vehicles, Military)
(Electric apparatus and appliances)

BELYAYEV, N. (Kolomna, Moskovskoy oblasti)

Inspiring people. NT0 2 no.5:45-48 My '60.
(Kolomna--Diesel locomotives)

(MIRA 14:5)

BELYAYEV, N.

Consider man when creating the new. NT0 3 no. 5:39-41 My '61.
(MIRA 14:5)

(Technological innovations)
(Industrial safety)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

BELYAEV, N.

Forced unification. MTO 2 no.8:45-46 Ag '60. (MIA 13:10)
(Technical societies)

85-58-5-11/38

There is Strength in Active Membership

Committees coordinate their activities in supervising the work of the teams and by introducing leading sportsmen to the trainees. Personalities mentioned include N. Kurshevaya, woman's world record holder, and N. Breykin, Master of Sports. A photograph shows V. Kochelkov instructing a parachutist class.

ASSOCIATION: Tul'skiy oblastnoy aeroklub (Tul'skaya Oblast' Aeroclub)

AVAILABLE: Library of Congress

Card 2/2 1. Aviation - USSR
 2. Parachute jumping

BELYAYEV, N.

85-58-5-11/38

AUTHOR: Belyayev, N. (Tula)

TITLE: There is Strength in Active Membership (Obshchestvennyy aktiv - bol'shaya sila)

PERIODICAL: Kryl'ya rodiny, 1958, Nr 5, p 7 (USSR)

ABSTRACT: The author tells of the activities of Vladimir Kochelkov, sportsman 1st rank and graduate of the Tul'skiy oblastnoy aero-klub (Tula Oblast Aeroclub) who is now instructing groups of young workers in parachute jumping at the Tula armament plant. The instruction of many teams in the city is the direct result of the cooperation between Komsomol and DOSAAF organizations at the plant. Personalities mentioned include Ye. Kornev, Secretary of the VLKSM Committee, and N. Dronov, Chairman of the DOSAAF Committee of the plant. The 1957 Tula Aeroclub class graduated 11 public instructors in parachute jumping, of whom Komsomol members Sergey Chepelev, Viktor Lisitsyn, Valentina Kolosova, and Yuriy Shaladyshev show outstanding ability. They are now training more than 100 people at the local machine-building plant, the mining institute, and at the Tekhnicheskoye uchilishche No. 1 (Technical School No 1). Komsomol and DOSAAF

Card 1/2

BELYAEV, N.
USSR/Electronics - Television

Card 1/1

Author : Belyaev, N.
Title : Experimental Station for Color Television
Periodical : Radio. 5, 31 - 32, May 1954
Abstract : Reference is made to an article entitled, "Color in the Television Screen" (Tsvet na Ekrane Televisora), by Novakovskiy and Pisarevskiy, published in Radio No. 11, 1954, Moscow, USSR. The article explains, perfunctorily, the principle of color television. It gives some technical data relative to the experimental station's operation, i.e.: data on the dimensions of the television screen and its horizontal and vertical scanning; number of images per second; form of signal impulses, and frequency characteristic of the transmitting path. Three diagrams are shown in this article.
Institution :
Submitted :

1. BELYAYEV, N.
2. USSR (600)
4. Cotton Gins and Ginning
7. How progressive cotton mills control mills control losses of raw cotton.
Khlopkovodstvo no. 7, 1952

9. Monthly List of Russian Accessions, Library of Congress, January 1953. Unclassified.

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

DELINAYEV, N.

Stakhanov Movement

From Stakhanovite brigades to Stakhanovite factories. Chelyabinsk No. 1, 1951.

Monthly List of Russian Acquisitions, Library of Congress
June 1953. UNCL.

BELIAEV, N.

Rodina aviatsii; kratkie ocherki po istorii razvitiia aviatsii v Rossii. [The native land of aviation. Brief sketches in the history of the development of aviation in Russia]. Moskva, Izd-vo Dosarm, 1950. 88p.

DLC: Slavic unclass.

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

BELYAYEV, N.

A new Soviet pension law. Vsem. prof. dvizh. no.l:29-31 Ja '57.
(MIRA 14:9)
(Pensions)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

BELYAYEV, N.

Unjustified sluggishness. MTO no. 4:42-43 4p '59.
(MIRA 12:6)
(Shipping)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030_6

ACC NR: AP7001765

the sounding ship (a motorship). The method is described, and the results obtained by one survey party working on the lower Don River established the fact that productivity increased by a factor of 3.3 when the new method and equipment was used and compared with the conventional method. The one survey party provided a saving of about 4,000 rubles annually. Orig. art. has: 4 figures.

SUB CODE: 08/SUBM DATE: None

Cord 3/25

ACC NR: AP7001765

(A)

SOURCE CODE: UR/0310/66/000/010/0032/0033

AUTHOR: Belyayev, N. (Engineer); Zubkov, N. (Engineer); Polyakov, V. (Engineer)

ORG: VDSK im. V. I. Lenin Administration (Upravleniye VDSK)

TITLE: Method for conducting river bed surveys

SOURCE: Rechnoy transport, no. 10, 1966, 32-33

TOPIC TAGS: geodetic survey, geologic survey, hydrographic survey, surveying ship, surveying instrument, inland waterway, optic range finder, ranging, *УДАРУЩИЕ
СОВОДЫ И СВОИСТВА*

ABSTRACT: The basis of a new method of making river bed surveys is the coordination of soundings by solving the inverse geodesic problem contained in the process of ship movement by fixing two angles as a result of continuous sightings with three theodolites on three points of reference ashore, the coordinates of which are known. The new method provides for simultaneous coordination of the soundings taken by the sounding ship through a system containing an "instrument-selsyn-differential selsyn," which transmits two continuously observed angles to an operator who is charged with laying out the plan, a survey of the shore situation, including water lines, the edges of steep banks, and other reference points, using a range finder, the soundings taken by a fathometer with several transmitters mounted in a special console, and the initial laboratory processing. The entire survey party, 11 men, is embarked in

Card 1/2

UDC: 528.47

BELYAYEV, M.Ya. (Kazan¹)

Vitamin C metabolism in patients with bronchial asthma.
Vrach. delo no.9:30-35 1963. (MIRA 16:10)

1. Terapevticheskiye kliniki 1-go Leningradskogo i Kazanskogo
meditsinskikh institutov (nauchnyye rukovoditeli - prof. P.K.
Bulatov i prof. Z.I.Malkin).
(ASCORBIC ACID) (ASTHMA)

BELYAYEV, M.Ya.

ACTH and ascorbic acid in the treatment of bronchial asthma.
Probl.endok.i gorm. 7 no.2:51-56 '61. (MIRA 14:5)
(ASTHMA) (ACTH) (ASCORBIC ACID)

BELYAYEV, M.Ya.

Treatment of bronchial asthma by intracutaneous injections of
distilled water and saturation of the body with ascorbic acid.
Vrach.delo no.10:115-117 0 '60. (MIRA 13:11)

1. Poliklinika No.6 g. Kazani.
(ASTHMA)
(WATER, DISTILLED--THERAPEUTIC USE)
(ASCORBIC ACID)

BELYAYEV, M.Ya.

Results of treating hypertension in advanced age. Sov.med. 23 no.1:
97-99 Ja '59. (MIRA 12:2)

1. Iz lechebno-profilakticheskogo ob'yedineniya l-y gorodskoy klinicheskoy bol'nitsy Kazani (glavnnyy vrach Z.A. Sinyavskaya, nauchnyy rukovoditel' - prof. A.G. Teregulov).

(HYPERTENSION, in aged
results of ther. (Rus))

BELYAYEV, M.Ya.

Home treatment of patients with chronic cardiac decompensation.
Vrach.delo no.8:789-793 Ag '58 (MIRA 11:8)

1. Pervaya klinicheskaya gorodskaya bol'nitsa Kazani.
(HEART FAILURE)
(HOME NURSING)

HELYAYEV, M.Ya.

Quantitative determination of bisulfite-binding substances (pyruvic acid) in urine. Lab.delo 4 no.5:24-27 S-O '58 (MIRA 11:11)

1. Iz respublikanskoy klinicheskoy bol'nitay Kazani (nauchnyy rukovoditel' - prof. Z.I. Malkin).
(PYRUVIC ACID)
(URINE--ANALYSIS AND PATHOLOGY)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

BETTY WYATT, M.D.

Vitamin C content in the blood and influence of various vitamins on the effectiveness in cardiovascular disease.
Klin., vol. 30 no. 1, 1952

PELIAEV. M. YA.

PELIAEV M. YA.

O znachenii perelivaniia massivnykh dos krovi pri travmaticheskikh ansvrismach. /Significance of massive blood transfusion in traumatic aneurysms/ Khirurgika, Moskva No. 6 June 51 p. 29-33.

1. Of the Propedeutic Surgical Clinic, Kazan' Medical Institute (Director - Prof. B. G. Gertsberg, deceased), Kazan',

BELYAYEV, M. Ya.

Importance of determination of pyruvic acid in urine in
cardiovascular diseases. Ter. arkh. 22 no.5:43-45 Sept-
Oct 1950. (CLML 20:1)

1. Of the Faculty Therapeutic Clinic (Director -- Honored
Worker in Science Tatar ASSR Prof. Z. I. Malkin), Kazan'
Medical Institute, Kazan'.

BELYAYEV, M.V.

"A Rational System for the Maintenance of Highly-Productive Cows";

dissertation for the degree of Candidate of Agricultural Sciences
(awarded by the Timiryazev Agricultural Academy, 1962)

(Izvestiya Timiryazevskoy Sel'skokhozyaystvennoy Akademii, Moscow, No. 2,
1963, pp 232-236)

BELYAYEV, M.V.

Transient processes in the main network of saturable reactors.
Trudy Ural. politekh. inst. no.106:76-85 '60. (MIRA 15:5)
(Electric transformers)
(Electric coils)

BELYAYEV, M.V., dotsent, kand.tekhn.nauk

Magnetic control of a d.c. drive. Trudy Ural.politekh.inst.no.101:
104-110 '60. (MIRA 14:3)
(Magnetic amplifiers)

ZAKHARASHEVICH, Inna Aleksandrovna; BELYAYEV, M.V., dotsent, retsenzent;
GORDON, M.M., inzh., retsenzent; SHAVEL'ZON, M.V., inzh.,
retsenzent; YERMAKOV, N.P., tekhn.red.

[Design and adjustment of automatic regulators of thermal
processes] Proektirovanie i nastroika avtoregulatorov teplo-
vykh protsessov. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.
lit-ry, 1960. 259 p. (MIRA 14:2)
(Electronic control) (Heat engineering)

BELYAYEV, M.V.

Часопису об'єднаної скончені по електротехнічній промисловості
працюючі в машинобудуванні і електротехніці електропрому - профспілкі
нації. №1, листопад, 1959

Електричні агрегати з підвищеною надійністю; турбогенератори
(електричні драйв та автоматизація промислових установок); будівництво та експлуатація
трансформаторів) Москва, Госнедропресс, 1960. 470 р. 11,000 копій випущено.

General Eds.: I.M. Petrov, A.A. Sivov, and G.G. Chilkin; Eds.: I.I. Sud, and

K.F. Shlyapnikov, Tech. Eds.: K.P. Vozniak, and O.Z. Lurman.

PURPOSE: The collection of reports is intended for the scientific and technical
personnel of scientific research institutes, plants and schools of higher
education.

CONTENTS: The book is a collection of reports submitted by scientific workers at
plants, selected institutions and schools of higher education at the third
Joint All-Union Conference on Automation of Industrial Processes in Machine
Buildings and Automated Drives in Industry held in Moscow on May 12-16, 1959. The Conference was organized by the Academy of Sciences USSR, the
Central SSR (State Planning Committee) of the USSR, the GOKhNII (State Committee on Automation and
Machine Building), and the National Committees on Industrial USSR, po avtomatizatsii uprav-
leniya (Automatically Controlled Systems), and prepared by the
Joint Technical Committee on Automated Electric Drives, the NIIKh (Institute of Nuclear and
Atomic Energy), the VNIIM (Institute of Machine and
Mechanics), the Institute of Radioelectronics
and Electronics Mechanization, AI SSSR (Commission on the Theory of
Design of Machines of the Academy of Sciences of
Russia), and the Institute of Physics of Metals
would be the purpose of the National Board to arrange the reports to very
present and relatively systematic presentation of theoretical and practical
aspects used in various drives and automatic controls of industrial
drives and their relation to each other. The book also contains articles on electric
contact automatic control of automation. Considerable attention is paid to non-
magnetic amplifiers and computers, including systems with semiconductor devices
synthesis of linear and nonlinear waveforms intended both for the analysis and the
synthesis of waveforms or for control of waveforms. Publications have been consid-
erably abbreviated; those which have appeared in volume 7 of SII in 1959
are minimized. References accompanying them are abridged. No personal names
are given.

PART II. GENERAL PROBLEMS CONCERNING DRIVES, FEED BACK AND
PRINCIPLES OF ELECTRIC DRIVE AND AUTOMATIC CONTROL

Belogurov, M.V., Candidate of Technical Sciences. Dynamic Properties of Controlled Systems for DC Drives With Magnetic Amplifiers	146
Sokol, M.P., Engineer, and O.I. Stepanovskiy, Candidate of Technical Sciences. Servosystems With Phase Measurement of the Instantaneous Angle	148
Krasnoukhov, Yu.N., Doctor, Candidate of Technical Sciences, and T.T. Lazear, and A.G. Pervukhin, Engineer. Control of DC Generators Operating Under Variable Magnetic-Polarity Conditions	152
Petulin, D.P., Candidate of Technical Sciences. Automatic Regulation Regu- lation of Synchronous Motors Operating Under Variable Load Conditions	153
Berezovskiy, S.L., Candidate of Technical Sciences. Static Error of Electric Machine Regulation With a Constant Control Signal	155
Torzhitskiy, A.S., Engineer. Circuit of an Automatic Capacitor-Starter Motor With the Use of a Differential Electromagnetic AC Relay	158
Burin, B.B., Engineer. Function Generator in Electric Drive Circuits Data, V.M., Engineer. Investigation of Electric Drive Systems With Continuous Positive Voltage Feedback	159
Mal'tsev, O.M., Engineer. Improving the Load Gain Factor of a Rotating Amplifier at Low Signals by Means of the Method of AC Superposition	162
Bogolyubov, V.M., Candidate of Technical Sciences. Method of Thermal Par- ameters Applied to the Heating of Ventilated Squirrel-Cage Induction Machines	163
Kolodzhy, F.D., Doctor, Candidate of Technical Sciences. Electromechanical Transmission of Frequency Regulation	174
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BELYAYEV, M.V.

Power aspect in evaluating the stability of nonlinear electro-mechanical systems. Trudy Ural. politekh. inst. no.79:160-172
'59. (MIRA 13:7)
(Electric driving) (Automatic control)

BELYAYEV, Mikhail Vasil'evich, kand.tekhn.nauk, dots.

Amplification factor and electromagnetic inertia of magnetic
amplifiers. Izv. vys. ucheb. zav.; elektromekh. 1 no.6:
67-76 '58. (MIRA 11:9)

1. Kafedra elektrifikatsii promyshlennyykh predpriyatiy Sverdlov-
skogo politekhnicheskogo instituta.
(Magnetic amplifiers)

8(2); 28(1) PHASE I BOOK EXPLOITATION Sov/1433

Sovetskoye po avtomatizirovannym elektrosvyazim peremennogo toka. Moscow, 1955

Trudy... (Transactions of the Conference on Automated A-C Electric Drives) Moscow, Izd-vo Akademiya Nauk SSSR, 1958. 358 p. 4,000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut avtomatiki i telemekhaniki.

Eds: V.S. Kulibin, Academician, and M.D. Chilkin, Doctor of Technical Sciences; Professor; Ed. of Publishing Doctor: D.M. Wolfe, Tech. Ed.; I.P. Kuz'min

COVERNOTE: The conference was organized on the initiative of the Institute of Automation and Telemechanics of the Academy of Sciences USSR and the Moscow Power Engineering Institute. The Institute had as its task the planning of the most progressive ways and means of developing automatic control of electric drives. The first conference on the subject of automated electric drive took place more than two years before the present one and was concerned with d-c electric drives. The results of this conference were found to be most valuable in the task of re-building Soviet industry and in furthering industrial development. Present technical development of Soviet industry demands simple, rapid, and reliable methods of construction, reliability and economy. The squirrel-cage induction motor with frequency control appears to be the most promising type of controlled a-c drive. For wide application of this type in the Soviet economy there is a need of development of frequency converters. Some interesting tests were made in this connection at the Institute of Automation and Telemechanics of the USSR Academy of Sciences and in its branch at the Moscow Power Engineering Institute. The Central Design Bureau of the Elektropribor Plant, the State Design Institute of Construction of the RPSR, and in other design studios were discussed at the present conference. The transactions contain material concerning the theory and design of reactors, pulse and frequency methods of controlling a-c electric drives.

Kotoreva participated in the preparation of this collection of papers. The volume was reviewed by Professor Ya. V. Nitusov, Doctor Technical Sciences.

Bibliography.

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Belyayev, M.V. Candidate of Technical Sciences. Possibilities of Using Magnetic Amplifiers in Automatic Electric Drives 332
 Powerful machines and mechanisms such as rolling mills, excavators, arc furnaces, and milling machines have electric drives usually controlled by rotating regulator type devices with quadrature field (or the amplitude type). These have many disadvantages, and now magnetic amplifiers may be used to replace them. Magnetic amplifiers are used in addition to a rotating regulator controller, by them and also as independent of construction system. Their advantages are simplicity of construction, reliability, comparatively low electromagnetic inertia, comparatively high amplification coefficient, the important property of high addition of external signals, and the lack of rotating parts. The author explains the theory and discusses practical results. There are no references.

137-58-4-7065

Applying Magnetic Amplifiers (cont.)

sidual magnetism virtually to zero. Replacement of an EMU serving as generator exciter in a motor-generator system by a machine of the normal type divided however into two parts by a field coil fed from a push-pull MA, and the introduction of a voltage cutoff through a second MA with positive feedback cuts the cost of the exciter in half and makes it possible for any plant to manufacture a system of this kind. The employment of a MA as a generator of additional EMF in the coil circuit for independent (or mixed) excitation of a DC machine of normal design makes it possible to intensify excitation of the generator in accordance with the starting current.

D. K.

1. Rolling mills 2. Electric motors--Control systems 3. Magnetic amplifiers
--Applications

Card 2/2

137-58-4-7065

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 4, p 109 (USSR)

AUTHOR: Belyayev, M. V.

TITLE: Applying Magnetic Amplifiers in Control Systems for Auxiliary Electric Drives of Rolling Mills (Primeneniye magnitnykh usilitelyeley v sistemakh upravleniya elektroprivodami vspomogatel'nykh mekhanizmov prokatnykh stanov)

PERIODICAL: V sb.: Materialy konferentsii-kursov po elektroprivodu i avtomatiz. tekhnol. protsessov metallurg. predpriyati. Sverdlovsk, Metallurgizdat, 1957, pp 149-168

ABSTRACT: The application of a push-pull magnetic amplifier (MA) with deep positive feedback to introduce cutoff in accordance with the loading current in an amplidyne control circuit of a motor-generator system for mechanisms requiring torque-moment limitation tends to increase the rigidity with which the mechanical characteristic is adhered to, reduces losses in the main circuit, and frees the design from the need for potentiometric units. The introduction of MA into the field winding of a model EMU-5-3000 amplifier, and of negative voltage feedback in the EMU after its field winding has been disconnected reduces the EF of the re-

Card 1/2

SOV/137-58-11-21943

The Use of Magnetic Amplifiers in Automatic-control Systems (cont.)

eases the conditions of operation. It is proposed that this system of control be installed to replace obsolete and outworn closing-relay systems. Practical tests of the system yielded satisfactory results.

A. S.

Card 2/2

SOV/137 58-11 21943
Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 11, p 16 (USSR)

AUTHOR: Belyayev, M. V.

TITLE: The Use of Magnetic Amplifiers in Automatic-control Systems for Electric Arc Furnaces (Magnitnyye usiliteli v sistemakh avtomaticheskogo regulirovaniya dugevykh pechey)

PERIODICAL: V sb.: Materialy konferentsii-kursov po elektroprivodu i avtomatizatsii protsessov metallurg. predpriyatiy. Sverdlovsk, Metallurgizdat, 1957, pp 98-107

ABSTRACT: An examination is made of the properties of the electric drive of a mechanism for moving electrodes in which magnetic amplifiers (MA) are used instead of amplidyne-type regulators. We are offered the derivation of formulas for the analysis of the static characteristics of systems of regulation employing MA, also a calculation procedure. Emphasis is placed on the aspects in which the technical properties of MA and amplidynes are commensurable: Continuity of control, high sensitivity, rapidity of action, ease of tuning, high amplification factor. Utilization of MA instead of amplidynes simplifies the system of automatic regulation, reduces costs, and

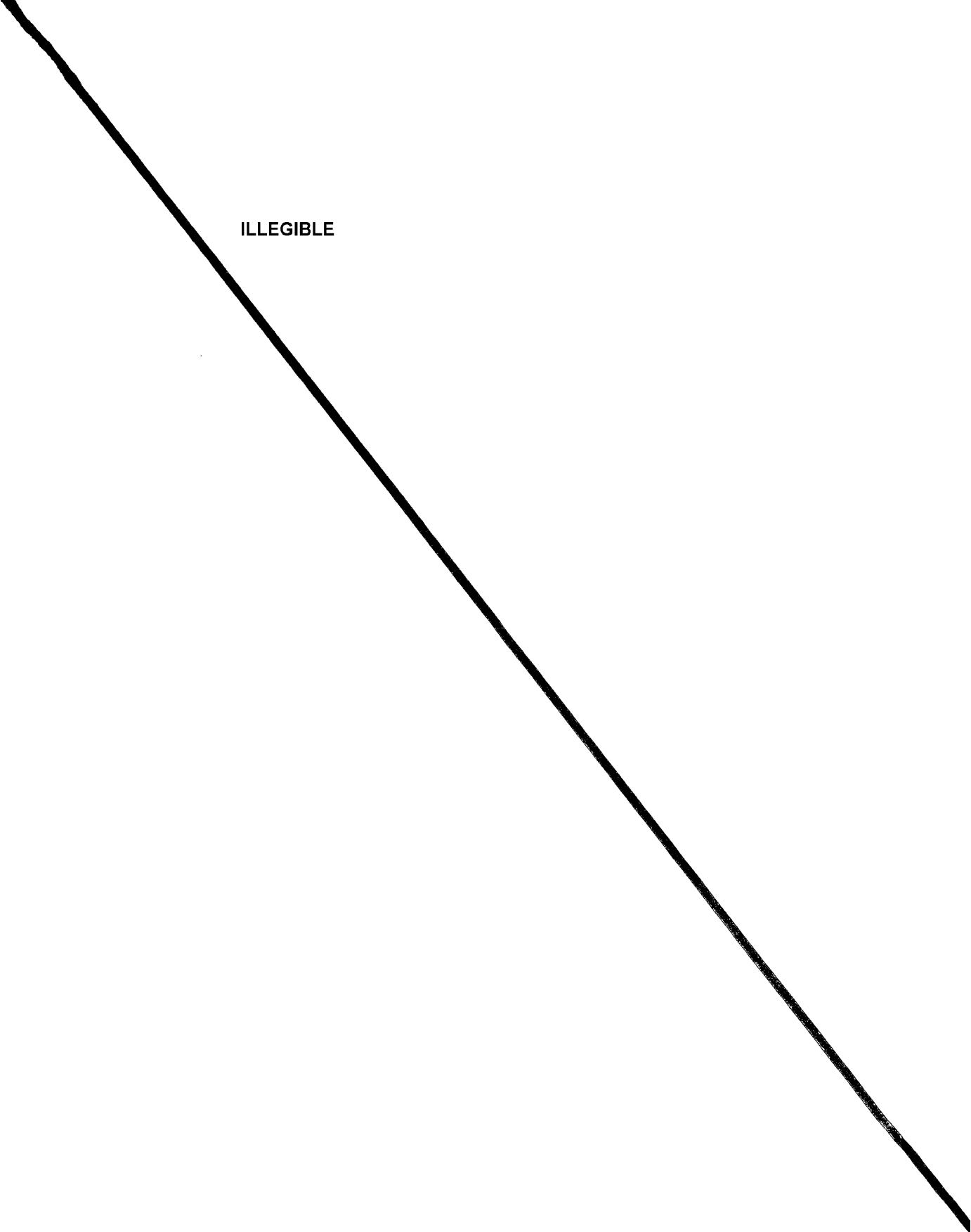
BELYAYEV, M.V.

POLTEV, Vladimir Kirillovich; SMOL'NIKOV, Lev Petrovich; SHPUNBERG, Ya.N.
kandidat tekhnicheskikh nauk, retsezent; KHL'NIK, V.P., redaktor;
BELYAYEV, M.V., kandidat tekhnicheskikh nauk, redaktor; KOVALENKO,
N.I., tekhnicheskiy redaktor

[Electrical equipment for metallurgical shops] Elektrooborudovanie
metallurgicheskikh tsakhov. Sverdlovsk, Gos. nauchno-tekhn. izd-
vo lit-ry po chernoi i tsvetnoi metallurgii. 1954. 486 p. (MLRA 8:5)
(Metallurgical plants--Electric equipment)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

ILLEGIBLE



BELYAYEV, M.V., dotsent.

Increasing the technical and economic efficiency of synchronous
electric drives operated under varying loads. Sbor.st.Ural.
politekh.inst. no.48:131-138 '53. (MLRA 9:3)
(Machine Tools--Electric driving)

BELYAYEV, Docent M. V.

178T28

USSR/Electricity - Furnaces, Electric Dec 50
Control Circuits

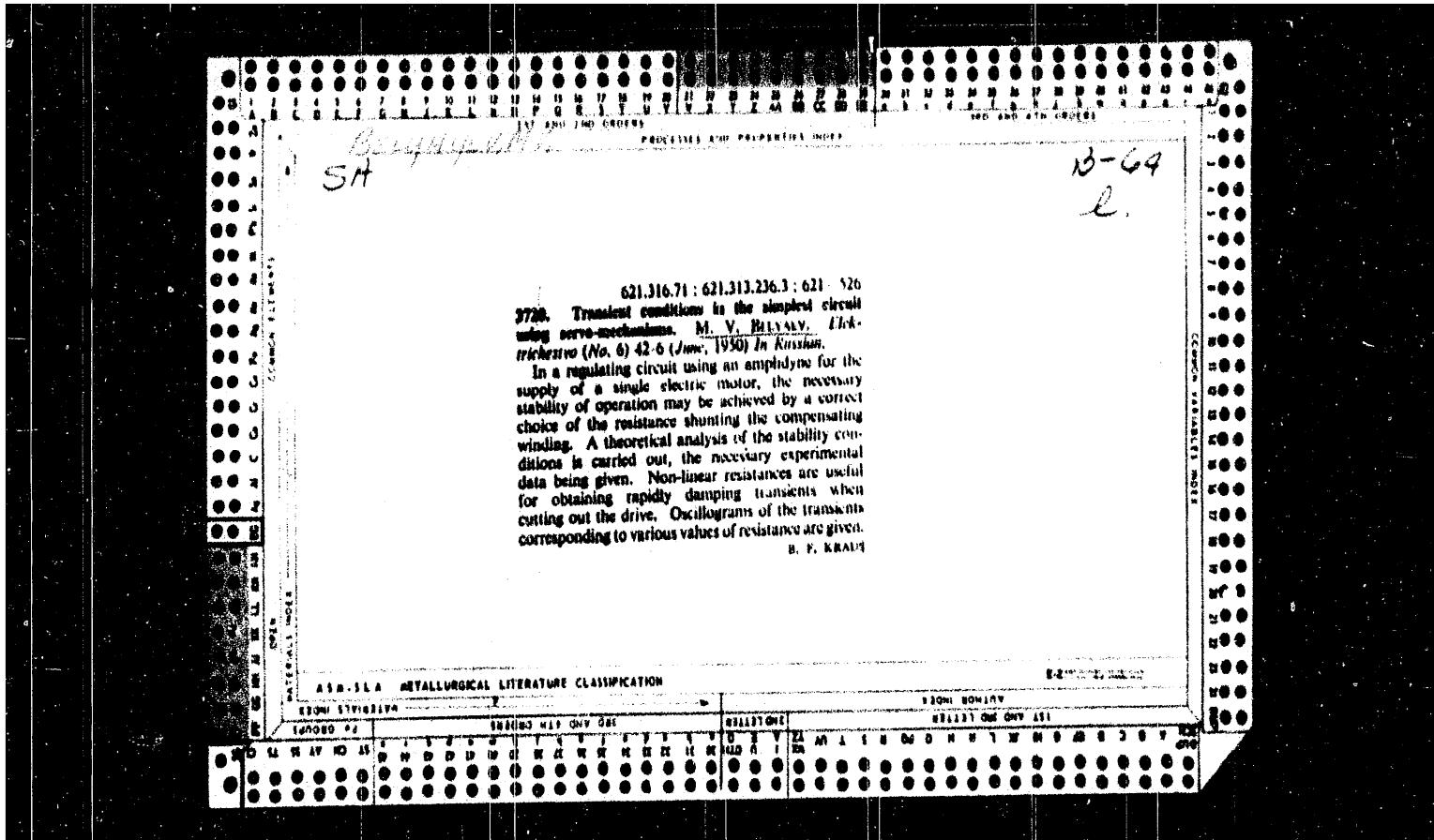
"Automatic Electric Arc Control" Docent M. V. Belyayev, Cand Tech Sci, Ural Polytech Inst imeni Kirov

"Elektrichestvo" No 12, pp 37-41

Results of theoretical and lab work on automatic regulation of elec arc, which showed that simple amplidyne circuit could provide stable control. Established in gen form parameter relationships providing stable operation. Overcompensated amplidynes would increase circuit sensitivity and speed. Submitted 25 May 50.

178T28

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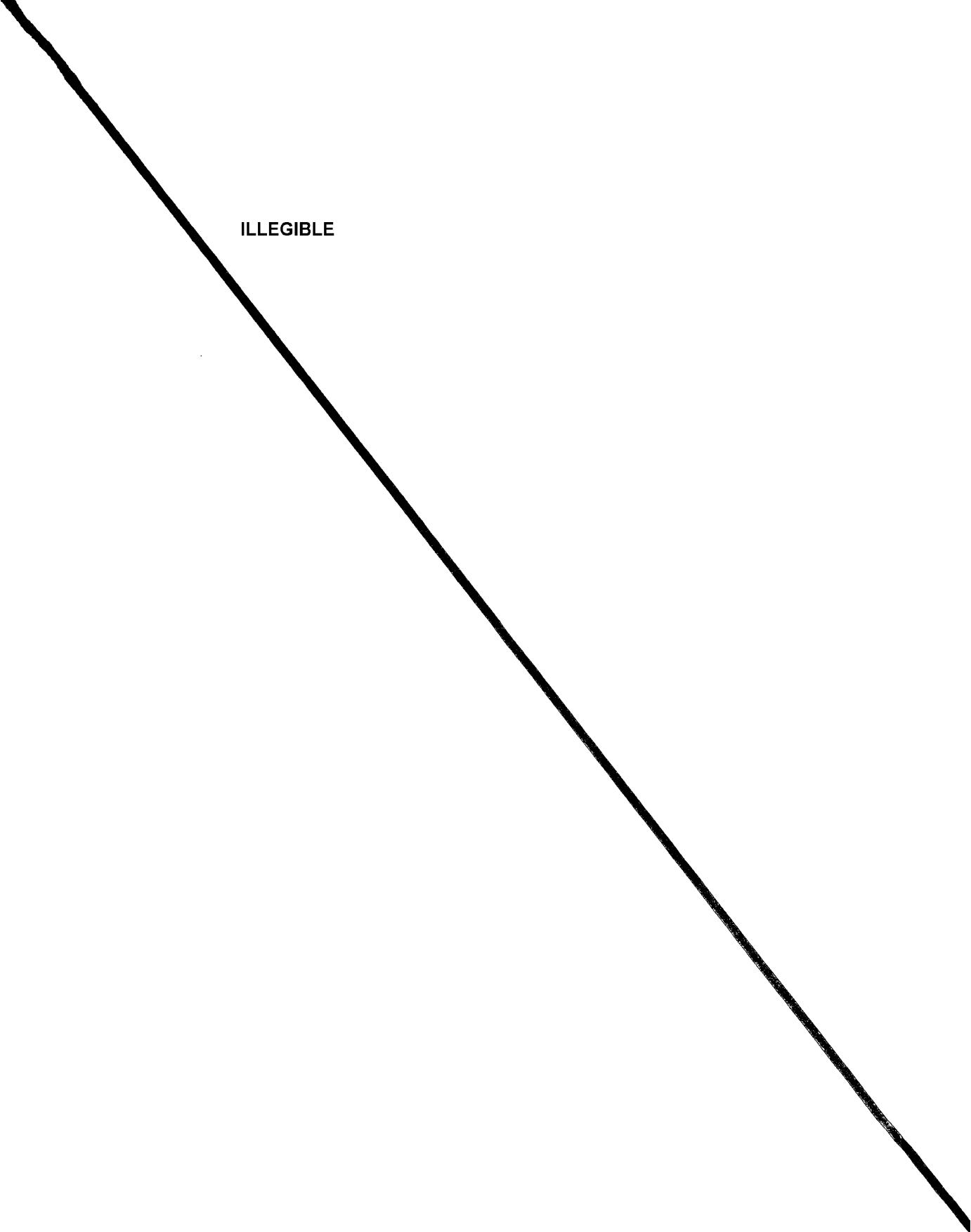
BELYAYEV, M.V., inzh.; GORSHKOV, A.F., inzh.

Mathematical model of a magnetic amplifier. Izv. vys. ucheb. zav.;
gor. zhur. 6 no.3:150-154 '63. (MIRA 16:10)

1. Ural'skiy politekhnicheskiy institut imeni Kirova.

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ILLEGIBLE



ZABLONSKIY, K.I., kand.tekhn.nauk, dotsent; BELYAYEV, M.S., kand.tekhn.nauk;
FILIPOVICH, S.I., inzh.

Operating a herringbone reducing gear. Vest. mash. 41 no. 5:33-37
My '61. (MIRA 14:5)

(Gearing, Spiral)

ZABLONSKIY, K.I.; BELYAYEV, M.S.

Determination of the modulus of elasticity of organic glass.
Zav.lab. 27 no.10:1303-1305 '61. (MIRA 14:10)

1. Odesskiy politekhnicheskiy institut.
(Plastics--Testing)
(Elasticity)

ZABLONSKIY, K.I.; BELYAYEV, M.S.

Experimtal determination of the deformation of gear-wheel teeth.
Nauch.zap.Od.politekh.inst. 14:11-17 '59. (MIRA 14:3)
(Gearing--Testing)

ZABLONSKIY, K.I., kand.tekhn.nauk, otv.red.; BOROVICH, L.S., kand.tekhn.
nauk, red.; BELYAYEV, M.S., inzh., red.; GENKIN, M.D., kand.tekhn.
nauk, red.; ZAK, P.S., kand.tekhn.nauk, red.; KIST'YAN, Ya.G.,
kand.tekhn.nauk, red.; KUDRYAVTSEV, V.N., doktor tekhn.nauk, red.;
MAL'TSEV, V.F., kand.tekhn.nauk, red.; POLOTSKIY, M.S., kand.tekhn.
nauk, red.; ERLIKH, L.B., kand.tekhn.nauk, red.; NIKIFOROV, I.P.,
inzh., red.; KOMISSARENKO, A.R., tekhred.

[Design, construction, and investigation of transmissions; proceedings of the conference on design, construction, and investigation of transmissions; proceedings of the conference on design, construction, and investigation of gear and flexible transmissions of September 23-28, 1957] Raschet, konstruirovaniye i issledovaniye pere-
dach; trudy konferentsii po voprosam rascheta, konstruirovaniya i
issledovaniya zubchatykh perekhodov i perekhodov gibkoi sviaz'i u 23-28
sentyabria 1957 g. Odessa, Izd.Odesskogo politekhn.in-ta. Vol.3.
1959. 123 p. (MIRA 12:10)

1. Odessa. Politekhnicheskiy institut.
(Gearing)

BELYAYEV, M.S., Cand Tech Sci -- (diss) "Study of load distribution between simultaneously ~~meshing~~^{meshing} pairs of teeth of straight-tooth gear wheels." Odessa, 1959, 11 pp (Min of Higher Education UkrSSR. Odessa Polytechnic Inst) 150 copies (KL, 34-59, 113)

25(2) PAGE I BOOK EXPLOITATION SOV/2095

Konferentsiya po voprosam rezheta, kontakirovaniya i issledovaniyu subchayki
peredach i peredach gibkoy svyazi. Odessa, 1977

Beschet, konstruktivnaya i issledovaniye rezheta; teoriya konferentsii; issledovaniye i kon-
struktsionnye i analiticheskie issledovaniya priemnikov i transmisiy; issledovaniya i analitiches-
(Rezul'taty konferentsii i analiz problem v konstruktsii i analizakh priemnikov i transmisiy).
Transmisiy, Vol. 1) [Odessa] Odes'kaia poligrafiia, 1978. 199 p. - 5,000
kopiy printed.

Sponsoring Agencies: Maschino-tehnicheskaya obshchestva, mehanicheskoi tekhniki,
priyazhno-slobodnoi, Odes'koye oblastnoye pravleniye, i Odes'kaya politiches-
kaya institut.

Ed.: I.P. Kharitonov, Indigenat' Tech., Ed.: A. B. Rodnitskaya; Editorial Board:
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N.N. Gerasimov (Sverg, Ed.), P. S. Zak, Candidate of Technical Sciences, Ya.G.
Kazaryan, Candidate of Technical Sciences, V.N. Kudryavtsev, Doctor of Technical
Sciences, V.P. Mat'yan, Candidate of Technical Sciences, M.S. Polotskii,

Cards 1/8

Candidates of Technical Sciences, and L.P. Kuzlich, Candidate of Technical
Sciences.

CONTENTS: This book is the first of three volumes dealing with the trans-
missions of the conference. This first volume contains articles on the trans-
mission and construction of gearings and worm gearings. The second volume treats
flexible transmissions and the third, theoretical and experimental analysis of
transmissions. References follow several of the articles.

TABLE OF CONTENTS:

Slagov, I.Y. Some Problems in the Organization of Centralized Production
of Special Instruments and Gear Systems 153

Tolosa, R.R. Design for Strength of a Solid Wormed Gear, Reinforced by
Key or Spurte Stubs 163
Formulas are derived for forces and moments acting on sections of
a spur wormed by spline (6 slots) and key (one slot) joints.
Klokh, O.V. Increase in the Accuracy of Kinematic Worm Gear-Train
Used for Reading Mechanics of Instruments 177
The author analyzes the accuracy of cylindrical worms and wheels
for high-precision instruments. He makes recommendations for re-
ducing the margin of error in the gear trains in order to reduce the
total margin of error of the mechanism.

Bylyayev, M.S., and K.I. Zablonitsky. Consideration of Simultaneous Engage-
ment of Two Pairs of Teeth in Gearing Design 197

Cards 1/8
The distribution of load between two pairs of meshing teeth is basically
determined by the rigidity of teeth and by the errors in engagement,
chiefly the accumulated error of the circular pitch, causing the cyclic
character of stresses. The author states that for a pair of gears of a
given type the characteristic diagrams for distribution of errors can be
determined. He further states that this determination has been confirmed
by inspection of several lots of gears manufactured by different methods.

Resolutions of the Conference on the Problems of Design, Construction, and
Analysis of Transmissions 197
The resolution stresses both the progress made and the deficiencies noted
in design, construction, and manufacture of gearings and worm gear
trains, and in the fields of continuous speed control, chain drives, and
flexible shafts.

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B-3-39

Card 8/8

Card 8/8

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

BELYAEV, M.I.

Coke oven putting into operation at the plant of the Koks I. M. Koks
Koks I. M. Koks, No. 7220, 1600

2. Magnitogorsk metalurgical plant

BELYAYEV, M.P. (Moskva, ul. Dobrolyubova, d.11, komm. 95)

Thromboses and embolisms in the preoperative and postoperative period. Vest. khir. 70 no.6:130-132 Je'63. (MIRA 16:12)

1. Iz kliniki obshchey khirurgii (zav. - prof. V.A.Ivanov) lechebnogo fakul'teta 2-go Moskovskogo meditsinskogo instituta imeni N.I.Pirogova.

BELYAEV, M.P.

Radio station at a high school, Fiz.v shkole 20 no.4:110-111
Jl-Ag '60. (MIRA 13:8)

1. 49-ya zhelezno-dorozhnaya srednyaya shkola, stantsiya Armavir.
(Radio stations)

BELYAYEV, M.P.

Connection between the teaching of electrical engineering and physics.
Fiz. v shkole 19 no.1:102-104 Ja-F '59. (MIRA 12:3)

1. 49-ya zheleznodorozhnaya shkola, st. Armavir I.
(Electric engineering--Study and teaching)
(Physics--Study and teaching)

Belyayev, M.P.

AUTHOR: Belyayev, M.P. 47-58-1-23/35

TITLE: Experience With the Use of the Cinema in Physics Lessons
(Opyt ispol'zovaniya kino na urokakh fiziki)

PERIODICAL: Fizika v Shkole, 1958, # 1, pp 64-65 (USSR)

ABSTRACT: This article deals with the use of motion pictures as an aid in the study of various problems and fields of physics.

ASSOCIATION: 49-ya srednyaya shkola, st. Armavir (The 49th Secondary School,
Armavir RR Station)

AVAILABLE: Library of Congress

Card 1/1

BELIK, N.P.; BELYAYEV, N.M.; SHANDOROV, G.S.

Calculating the process of evacuation of a volume of gas. Inzh.-fiz.
zhar. 7 no.9:25~29 S '64.
(MIRA 17:12)

1. Gosudarstvennyy universitet im. 300-letiya vossoyedineniya Ukrains
a Rossiyey, Dnepropetrovsk.

MORDUKHOVICH, N.G.; BELYAYEV, M.M.; MOZHAYSAYA, L.Ya.; NIKOLENKO, V.I.;
BAGNYUK, V.S.

Use of "KF-9" plastics and their modifications in small high-frequency
switches. Plast.massy no.12:54-57 '63. (MIRA 17:2)

USSR/Farm Animals - Larger Horned Cattle.

0-2

Abs Jour : Ref Zhur - Biol., No 18, 1958, 83385

Author : Shvabec, A.K. & Belynayev, M.N.

Inst : Moscow Academy of Agriculture imeni K.A. Timiryazev.

Title : Elaboration and Effects of Instilling a Rational System
of Keeping Cows on a Dairy Farm and Milking Them Twice
Daily into Production Procedures.

Orig Pub : Dokl. Mosk. s.-kh. im. K.A. Timiryazeva, 1957, vyp. 27,
244-249.

Abstract : No abstract.

Card 1/1

ZVAZIKOV, B.Kh., mayor zapasa; GRINCHENKO, V.Ye., polkovnik, red.;
BELYAYEV, M.M., podpolkovnik, red.; SUKHOMLINOV, P.M.,
mayor, red.; GOLUBEV, G.G., polkovnik zapasa, red.; PAVLOV,
P.I., polkovnik v otstavke, red.; YABLOKOVA, G.I., red.

[Gold Stars of the Chechen-Inguish A.S.S.R.; sketches on
Heroes of the Soviet Union] Zolotye zvezdy Checheno-
Ingushetii; ocherki o Geroyakh Sovetskogo Soiuza. Groznyi,
Checheno-Ingushskoe knizhnoe izd-vo, 1964. 310 p.
(MIRA 18:4)

FRIDMAN, Ye.I.; Prinimali uchastiye: BELYAYEV, M.M.; GONCHAROVA, T.A.;
GUBANOVA, N.F.; KUZNETSOVA, T.I.; KIRILINA, R.A.

Using some electric insulating enamels for coating radio equipment.
Lakokras. mat. i ikh prim. no.6:42-45 '61. (MIRA 15:3)
(Radio--Equipment and supplies) (Enamel and enameling)

FRIDMAN, Ye.I., inzh.; BELYAYEV, M.M., inzh.; SERCHUGOVA, A.V.,
inzh.

Properties of K-211-3, EKPM-35T and AG-4S phenolic plastics.
Vest. elektroprom. 31 no.2:20-23 F '60. (MIRA 13:6)
(Phenol condensation products)

BELYAYEV, MM.

Category : USSR/Solid State Physics - Mechanical Properties of Crystals and Crystalline Compounds, E-9

Abs Jour : Ref Zhur - Fizika, No 3, 1957, No 6798

Author : Postnikov, V.S., Belyayev, M.I.

Inst : Kemerovskiy Pedagogical Institute, USSR

Title : Internal Friction of Plastically Deformed Copper and Aluminum

Orig Pub : Fiz. metallov i metallovedeniye, 1956, 2, No 3, 504-508

Abstract : The low-frequency low-amplitude torsion oscillation method was used to investigate the change of internal friction in copper and aluminum as a function of the temperature (up to 64°C) and of the time of isothermal soaking after a plastic deformation. The activation heats (6100 cal/mol for copper and 5900 cal/mol for aluminum), required to restore the internal friction of plastically deformed metals in isothermal soaking to the value of internal friction of the underformed metal, were determined. The value of the activation heat indicates that the restoration of the internal friction in the above experiments results from relaxation rather than from recrystallization.

Card : 1/1

BELYAYEV, M.M.

[Zootomy of vertebrates; manual for practical studies on the zoology of vertebrates for pedagogical institutes] Zootomija pozvonochnykh; rukovodstvo k prakticheskim zaniatiiam po zoologii pozvonochnykh dlja pedagogicheskikh institutov. Izd.2. Moskva, Gos.uchebno-pedagog.izd-vo M-va prosv.RSFSR, 1947. 262 p. (MIRA 13:4)

-- (Vertebrates--Anatomy)

V
BELYAEV, M.I.
A

24925. Belyaev, M.I. Ratsional'noye Raspolozheniye Shpurov Pri Prokodke
Gorizontal'nikh Virabotek. Gorniy Zhurnal, 1949, No. 8, S. 10-13

So: Letonis' No. 33, 1949

KALMYKOV, S.T., kand. veter. nauk; BELYAYEV, M.G., kand. biol. nauk

Quantitative determination of urea in feeds and water. Veterinariia 42 no.12:61-62 D '65.

(MIRA 19:1)

1. Nauchno-proizvodstvennaya laboratoriya po bor'be s boleznyami
molodnyaka sel'skokhozyaystvennykh zhivotnykh Ministerstva sel'skogo
khozyaystva RSFSR.

HELNAYEV, Mikhail Gavrilovich

[Prophylaxis and treatment of noninfectious diseases of young agricultural animals] Profilaktika i lechenie ne-zaraznykh zabolevanii molodniaka sel'skokhozistvennykh zhivotnykh. Moskva, Rossel'khozizdat, 1964. 231 p.
(MIRA 18:5)

KOLOBOV, Lel' Stepanovich; BELYAYEV, M.G., reteenzenz; CHUGREYEVA,
V.N., red.

[Schedules for the five-day work week which reduce night
shifts] Rezhimy piatidnevnoi rabochei nedeli, sokra-
shchaiushchie nochnye smeny. Moskva, Legkaiia industriia,
1964. 83 p. (MIRA 37:12)

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BELYAYEV, M.G.; KHOKHLOV, P.M.

In the Ryazan Leather Plant named after the October Revolution.
Kozh.-obuv.prom. 6 no.1:5-7 Ja '64. (MIRA 17:4)

BELYAYEV, Moisey Grigor'yevich; MYAGKOV, M.M., red.; KOROBOVA, N.D.,
tekhn. red.

[Wages in light-industry enterprises] Oplata truda na pred-
priatiiskh legkoi promyshlennosti. Moskva, Profizdat, 1962.
223 p. (MIRA 15:6)
(Russia--Manufactures) (Wage payment systems)

BELYAYEV, M.G.; PROLETOV, I.V.

Competition of the collectives of the largest textile enterprises.
Tekst.prom. 22 no.4:1-4 Ap '62 (MIRA 15:6)

1. Ispolnyayushchiy obyazannosti zaveduyushchego otdelom truda i
zarabotnoy platy TSentral'nogo komiteta profsoyuza rabochikh
tekstil'noy i legkoy promyshlennosti (for Belyayev). 2. Instruktor
otdela truua i zarabotnoy platy TSentral'nogo komiteta profsoyuza
rabochikh tekstil'noy i legkoy promyshlennosti (for Proletov).
(Textile industry--Socialist competition)

MARKOV, N.N.; BELYAYEV, M.G.

Most important way of exchanging progressive practices. Tekst.
prom. 19 no.1:77-78 Ja '59. (MIRA 12:1)
(Socialist competition) (Textile industry)

BELYAYEV, M.G.

Standardizing workers' wages in artificial leather enterprises.
Kozh.-obuv.prom. no.1:21-23 Ja '59. (MIRA 12:6)
(Leather, Artificial) (Wages)

MARKOV, N.N.; BELYAYEV, M.G.

Extend socialist competition of similar enterprises in various
economic districts. Leg.prom. 18 no.11:4~7 N '58.
(MIRA 11:12)

(Socialist competition)

2
0
0
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(2)
Belvayev, M. G. The tractrix and pseudosphere in Lo-
bachevskii space. Dopovidi Akad. Nauk Ukrains. RSR
1951, 312-319 (1951). (Ukrainian. Russian summary)

10-28-54 LL

DUBROVIN, G.D.; BELYAYEV, M.G.; ORLOVA, Z.V.; KALMYKOV, S.T.; SERGEYEVA, T.Ya.
PUSHKARIEVA, V.I.

Unrefined biomycin in stockbreeding. Veterinariia 36 no.12:55-58
D '59. (MIRA 13:3)

1.Nauchno-proizvodstvennaya laboratoriya po bor'be s boleznyami
molodnyaka sel'skokhozyaystvennykh zhivotnykh Ministerstva sel'skogo
khozyaystva RSFSR.
(Aureomycin) (Stock and stockbreeding)

BELYAYEV, M.F., inzh.; DORZHIYEV, D.D., inzh.; ETKIN, L.G., kand. tekhn. nauk

Vibratory pressure gauges. Priborostroenie no. 10:9-11 0 '65
(MIRA 19:1)

L 5345-55
ETP(b)/ETC(m) WW
ACC NR: AP5026108

SOURCE CODE: UR/0119/65/000/010/0009/0010

AUTHOR: Belyayev, M. F. (Engr.); Dorzhiev, D. D. (Engr.); Etkin, I. G.
(Candidate of technical sciences)

29
B

ORG: none

TITLE: Vibration-frequency pressure sensors |

SOURCE: Priborostroyeniye, no. 10, 1965, 9-10

TOPIC TAGS: pressure sensor, pressure transducer

ABSTRACT: The development of a new vibration-type pressure sensor is reported. Its operation depends on the variation of stress in a composite diaphragm deformed by the pressure being measured. The strained diaphragm initiates vibrations in an adapter connected to an oscillator whose feedback is again associated with the diaphragm. Two varieties of the sensor, for 50 and 100 atm, were tested; the sensor error was found to be 0.1% or lower; the effect of the ambient temperature (displacing the entire characteristic of the instrument) could be excluded. Formulas for designing the sensor are supplied. Orig. art. has: 5 figures, 9 formulas and 2 tables.

UDC: 62.531:621.3.083.08

Card 1/1 ^{1nd} SUB CODE:IE/ SUBM DATE: 00/ ORIG REF: 000/ OTH REF: 000

09011170

BELYAYEV, M.G.; KOVALEVSKIY, M.F.

Presentation of material for laboratory diagnosis of intoxications
in animals and fowl. Veterinariia 31 no.12:48-50 D '54.

(MLR 7:12)

1. Moskovskaya gorodskaya veterinarno-diagnosticheskaya labo-
ratoriya gorvetotdela Mosgorispolkoma.
(VETERINARY LABORATORIES) (POISONS)

BELYAYEV, Mikhail Fedorovich; POSTERNYAK, Ye.F., inzh., red.; SHILLING, V.A.,
red. Izd-va; BELOGUROVA, I.A., tekhn. red.

[Portable machine for machining guides of large machine tools with
cutters equipped with powder-metal tips] Perenosnyi stanok dlia ob-
rabotki napravliaiushchikh krupnykh metallorezhushchikh stankov fre-
zami s mineralokeramicheskimi plastinkami. Leningrad, 1961. 16 p.
(Leningradskii Dom nauchno-tekhnicheskoi propagandy. Obmen peredovym
opytom. Seria: Mekhanicheskaya obrabotka metallov, no.5)

(MIRA 14:7)

(Milling machines)

BELYAYEV, M.F.; PERMYAKOVA, V.A.

Development of interest in the heroic by secondary school
pupils. Vop.psikhil. 5 no.6:55-61 N-D '59.
(MIRA 13:4)

1. Kafedra pedagogiki i psichologii Irkutskogo pedagogicheskogo
instituta. (Heroes) (Imitation)

APPROVED FOR RELEASE: 06/23/11: CIA-RDP86-00513R000204600030-6

BELYAYEV, M.F.

Mechanical setting of cerami-metal tool bits. Stan.i instr. 27
no.11:21-23 N°56. (MIRA 10:1)
(Ceramic materials) (Cutting tools)

BELYAYEV, Mikhail Feofilovich; KOSTIN, V., redaktor; TROYANOVSKAYA, N.,
Tekhnicheskiy redaktor.

[Specialists have arrived at the collective farm] Spetsialisty
prishli v kolkhoz. Moskva, Gos.ind-vo polit.lit-ry, 1957. 51 p.
(MIRA 10:6)

(Collective farms)

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